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Fig. 6 A

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TACATTGAAATAGTCAAAGAAAAGGAGTTTTATGATTAATAAATAATTTACTAA-60  
 M I N K K N N L L -9

CTAAAAAGAACCTATAGCAAATAATCCAATAATGCAATTAGAAAATTACAGTAG-120  
 T K K K P I A N K S N K Y A I R K F T V -29

GTACAGCGCTTATTGTAATAGGTGCAACATTATTGTTGGTTAGGTATAATGAGGCCA-180  
 G T A S I V I G A T L L F G L G H N E A -49

→A

AAGCCGAGGAGAACATTCAAGTACAAGACGTTAAAGATTCGAATAACGGATGATGAATTATCAG-240  
 K A E E N S V Q D V K D S N T D D E L S -69

ACAGCAATGATCAGTCTAGTGATGAAGAAAAGAATGATGTGATCAATAATAATCAGTCAA-300  
 D S N D Q S S D E E K N D V I N N N Q S -89

TAAACACCGACGATAATAACCAAATAATTAAAAAGAAGAACGAATAACTACGATGGCA-360  
 I N T D D N N Q I I K K E E T N N Y D G -109

TAGAAAAACGCTCAGAAGATAGAACAGAGTCACAAACAAATGTAGATGAAAACGAAGCAA-420  
 I E K R S E D R T E S T T N V D E N E A -129

CATTTTACAAAAGACCCCTCAAGATAATACTCATCTTACAGAAGAAGAGGTAAAAGAAT-480  
 T F L Q K T P Q D N T H L T E E E V K E -149

CCTCATCAGTCGAATCCTCAAATTCAATTGATACTGCCAACACCACACACAA-540  
 S S S V E S S N S S I D T A Q Q P S H T -169

CAATAATAGAGAAGAACATCTGTCACAAAGTGTATAATGTAGAAGATTACACACGTATCAG-600  
 T I N R E E S V Q T S D N V E D S H V S -189

ATTTTGCTAACTCTAAAATAAGAGAGAACACTGAATCTGGTAAAGAAGAGAAACTA-660  
 D F A N S K I K E S N T E S G K E E N T -209

TAGAGCAACCTAATAAGTAAAAGAAGATTCAACAAAGTCAGCCGTCTGGCTATACAA-720  
 I E Q P N K V K E D S T T S Q P S G Y T -229

ATATAGATGAAAAAATTCAAATCAAGATGAGTTATTAAATTACCAATAATGAATATG-780  
 N I D E K I S N Q D E L L N L P I N E Y -249

## Fig. 6—continued 6B

AAAATAAGGCTAGACCATTATCTACAACATCTGCCCAACCATCGATTAAACGTGTAACCG-840  
 E N K A R P L S T T S A Q P S I K R V T -269

TAAATCAATTAGCGGCGGAACAAGGTTCGAATGTTAACCATTTAATTAAAGTTACTGATC-900  
 V N Q L A A E Q G S N V N H L I K V T D -289

AAAGTATTACTGAAGGATATGATGATAGTGAAGGTGTTATTAAAGCACATGATGCTGAAA-962  
 Q S I T E G Y D D S E G V I K A H D A E -309

ACTTAATCTATGATGTAACCTTGAAGTAGATGATAAGGTGAAATCTGGTGTACCGATGA-1020  
 N L I Y D V T F E V D D K V K S G D T M -329  
 CAGTGGATATAGATAAGAATACAGTTCCATCAGATTAAACCGATAGCTTACAATACCAA-1080  
 T V D I D K N T V P S D L T D S F T I P -349

AAATAAAAGATAATTCTGGAGAAATCATCGCTACAGGTACTTATGATAACAAAAATAAAC-1140  
 K I K D N S G E I I A T G T Y D N K N K -369

AAATCACCTATACTTTACAGATTATGATGATAAGTATGAAAATATTAAAGCACACCTTA-1200  
 Q I T Y T F T D Y V D K Y E N I K A H L -389

AATTAACGTCATACATTGATAAAATCAAAGGTTCAAATAATAATACCAAGTTAGATGTAG-1260  
 K L T S Y I D K S K V P N N N T K L D V -409

AATATAAAACGGCCCTTCATCAGTAAATAAAACAATTACGGTTGAATATCAAAGACCTA-1320  
 E Y K T A L S S V N K T I T V E Y Q R P -429

ACGAAAATCGGACTGCTAACCTTCAAAGTATGTTACAAATATAGATACGAAAAATCATA-1380  
 N E N R T A N L Q S M F T N I D T K N H -449

CAGTTGAGCAAACGATTATATTAAACCTCTTCGTTATTCAGCCAAGGAAACAAATGTAA-1440  
 T V E Q T I Y I N P L R Y S A K E T N V -469

ATATTCAGGGAATGGTGTGATGAAAGGTTCAACAATTATAGACGATAGCACAATAATTAAAG-1500  
 N I S G N G D E G S T I I D D S T I I K -489

TTTATAAGGTTGGAGATAATCAAATTTACAGATAGTAACAGAATTATGATTACAGTG-1560  
 V Y K V G D N Q N L P D S N R I Y D Y S -509

AATATGAAGATGTCACAAATGATGATTATGCCAATTAGGAAATAATAATGATGTGAATA-1620  
 E Y E D V T N D D Y A Q L G N N N D V N -529

TTAATTTGTAATATAGATTACCCATATTAAAGTTATTAGTAAATATGACCCCTA-1680  
 I N F G N I D S P Y I I K V I S K Y D F -549

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## Fig. 6—continued 6C

ATAAGGATGATTACACGACTATACAGCAAACGTGACAATGCAGACGACTATAAATGAGT-1740  
 N K D D Y T T I Q Q Q T V T M Q T T I N E -569

ATACTGGTAGTTAGAACAGCATTCTATGATAATACAATTGCTTCCTACAAGTTCAAG-1800  
 Y T G E F R T A S Y D N T I A F S T S S -589

GTCAAGGACAAGGTGACTTGCTCCTGAAAAAACTTATAAAATCGGAGATTACGTATGGG-1860  
 G Q G Q G D L P P E K T Y K I G D Y V W -609

AAGATGTAGATAAAGATGGTATTCAAATACAAATGATAATGAAAAACCGCTTAGTAATG-1920  
 E D V D K D G I Q N T N D N E K P L S N -629

TATTGGTAACCTTGACGTATCCTGATGGAACCTCAAAATCAGTCAGAACAGATGAAGATG-1980  
 V L V T L T Y P D G T S K S V R T D E D -649

GGAAATATCAATTGATGGATTGAAAAACGGATTGACTTATAAAATTACATTGAAACAC-2040  
 G K Y Q F D G L K N G L T Y K I T F E T -669

CTGAAGGATATACGCCACGCTAAACATTCAAGAACAAATCCTGCACTAGACTCAGAAG-2100  
 P E G Y T P T L K H S G T N P A L D S E -689

GTAATTCTGTATGGTAACCTATTAAATGGACAAGACGATATGACGATTGATAGTGGATTT-2160  
 G N S V W V T I N G Q D D M T I D S G F -709

ATCAAACACCTAAATACAGCTTAGGAACTATGTATGGTATGACACTAATAAAGATGGTA-2220  
 Y Q T P K Y S L G N Y V W Y D T N K D G -729

TTCAAGGTGATGATGAAAAAGGAATCTCTGGAGTTAAAGTGACGTTAAAGATGAAAACG-2280  
 I Q G D D E K G I S G V K V T L K D E N -749

GAAATATCATTAGTACAACCTACAACCGATGAAAATGGAAAGTATCAATTGATAATTAA-2340  
 G N I I S T T T D E N G K Y Q F D N L -769

ATAGTGGTAATTATATTGTTCATTTGATAAACCTTCAGGTATGACTCAAACAAACAG-2400  
 N S G N Y I V H F D K P S G M T Q T T T -789

ATTCTGGTAGATGACGAACAGGATGCTGATGGGGAGAAGTTCATGTAACAATTACTG-2460  
 D S G D D D E Q D A D G E E V H V T I T -809

ATCATGATGACTTTAGTATAGATAACGGATACTATGATGACGAATCGGATTCCGATAGT-2520  
 D H D D F S I D N G Y Y D D E S D S D S -829

ACTCAGACAGCGACTCAGATTCCGATAGTCAAGACTCCGATAGCAGACTCGGATTCAAG-2580  
 D S D S D S D S D S D S D S D S D S D S -849

→R

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## Fig. 6—continued 6D

ACAGCGACTCAGATTCAAGACAGCGACTCGGATTCTGATAGCGACTCGGATTCAAGACAGCG-2640  
 D S D S D S D S D S D S D S D S D S -869

ACTCAGACTCAGACAGTGAATTCAAGACAGCGACTCAGATTCCGATAGTGATTCAAG-2700  
 D S D S D S D S D S D S D S D S D S -889

ACTCAGACAGCGACTCAGATTCTGATAGTGATTCAAGACAGTGAATTCAAGATTCAAG-2760  
 D S D S D S D S D S D S D S D S D S -909

ACAGCGACTCAGATTCCGATAGTGATTCAAGACTCAGACAGCGACTCAGATTCCGATAGTG-2820  
 D S D S D S D S D S D S D S D S D S -929

ATTCAGACTCAGACAGCGACTCAGATTCTGATAGTGATTCAAGACTCAGACAGTGAATTCAAG-2880  
 D S D S D S D S D S D S D S D S D S D S -949

ACTCAGACAGTGAATTCAAGATTCCGATAGTGATTCAAGACTCCGATAGCGACTCAGACTCGG-2940  
 D S D S D S D S D S D S D S D S D S D S -969

ATAGTGACTCAGATTCTGATAGTGATTCAAGACTCCGATAGCGACTCAGACTCGGATAGTG-3000  
 D S D S D S D S D S D S D S D S D S D S -989

ACTCAGATTCTGATAGTGATTCAAGACTCAGACAGCGACTCAGATTCTGATAGTGATTCAAG-3060  
 D S D S D S D S D S D S D S D S D S D S -1009

ACTCAGTCAGTGATTCAAGATTCCGATAGTGATTCAAGACTCAGGCAGTGATTCCGATTCCG-3120  
 D S V S D S D S D S D S G S D S D S -1029

R←  
 ATAGTGATTCAAGACTCAGACAAACGACTCAGATTAGGCAATAGCTCAGATAAGAGTACAA-3180  
 D S D S D S D N D S D L G N S S D K S T -1049

→M  
 AAGATAAATTACCTGATAACAGGAGCTAATGAAGATTATGGCTCTAAAGGCACGTTACTTG-3240  
 K D K L P D T G A N E D Y G S K G T L L -1069

GAACCTCTTTGCAGGTTAGGAGCGTTATTATTAGGGAAACGTGCAAAATAGAAAAA-3300  
 G T L F A G L G A L L L G K R R K N R K -1089

ATAAAAAAATAAAATGTTCAAATGAAATTGTAGAAAGAACGAGATATGAGATTGAATAG-3360  
 N K N \* -1092

AAAGTAGATTTAGTCCAACAAATGTAAGATGTTGATTAAAACCTATAATATAACTTTCACG-3420

## Fig. 6—continued 6E

TTTATCATATCTTGTGAAAAAGATGATGCAAACAAGGTCATTCTATTAAAAATGACTTA-3480AATGTATGATTAGAGAACATATACAACTCACAATCTGACAATGATTAAATAGAGGA-3540ACCGTGAATTAAATGAATTCATGGTTCTTTTATTGAATTAAATAAATTCTTTAT-3600